

# Claims

1. Method for cleaning and disinfecting treatment of water, during which the water is subjected to at least one electric field, characterised in that the electrical field is a low-current field with pulsating direct voltage; that the pulsating direct voltage is made to change direction after a previously determined time period, which is up to about 20 seconds long; and that no silver is added to the water, and that the electrical low-current field is produced by electromagnetic induction in a conducting element located in a rectified pulsating magnetic field, whereby the conducting element is at least partially submerged in the water.

2. Method according to any of the preceding claims, characterised in that the water is brackish water or fresh water.

3. Method according to claims 1-2, characterised in that the pulsating magnetic field is caused to change direction after a pre-determined time period, which is up to about 20 seconds long.

4. Device for realisation of the method according to any of claims 1-3, characterised in that it includes:

- a source of a rectified pulsating magnetic field; and
- a conducting element, which lacks any significant ability to release silver during use of the device and which is arranged in the pulsating magnetic field such that an electric field is produced around the conducting element by electromagnetic induction during use of the device; and
- a device for changing the direction of the pulsating magnetic field in a time-dependent manner.

5. Device according to claim 4, characterised in that the device includes either a vessel which is intended during use of the device to be filled with the water that is to be cleaned/disinfected, or a pipe through which it is intended that the water that is to be cleaned/disinfected is to flow, whereby the source of the pulsating magnetic field is arranged outside of the vessel or pipe and the conducting element is arranged inside of it.

6. Device according to claim 4, characterised in that the device is arranged to achieve a low-current field of a maximum of 1 A around the conducting element.

7. Device according to claim 4, characterised in that the source of the rectified pulsating magnetic field includes a core of magnetic conducting material in the shape of a ring, around which is wound a wire of conducting material, through which wire pulsating direct current flows.